A METERING DEVICE

Patent number:

WO0075611

Publication date:

2000-12-14

Inventor:

PENN LAURENCE RICHARD (GB)

Applicant:

PENN LAURENCE RICHARD (GB)

Classification:

- international:

G01F11/22; G01F11/04

- european:

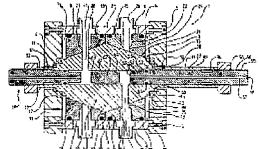
G01F11/04: G01F11/22

Application number: WO2000GB02205 20000607

Priority number(s): GB19990013194 19990607; GB19990013197 19990607

Abstract of WO0075611

A metering device contains a rotor which defines elongate chamber, there being a shuttle contained within the chamber movable between two terminal end positions. Frusto conical surfaces defined on the rotor co-operate with annular members defining correspondings seats. One passage extends from one end of the chamber to one frusto conical surface, and another passage extends from the other end of the chamber to the other frusto conical surface. Each annual element defines a respective inlet and outlet for fluid and a shuttle is present within the chamber. As the rotor rotates, the shuttle effects a shuttling movement thus measuring dispensed volumes of fluid. A sensor is provided to detect physical contact of the shuttle with the end of the chamber to cause the rotor to advance.



Also published as:

Cited documents:

閃 EP1183502 (A1)

EP0545560

WO9010198

US4821515